

CLAIMS

I claim:

- 1 1. A device for processing a watermarked digital recording, comprising:
2 a verification system for verifying the watermarked digital recording; and
3 an insertion system for inserting a disruption with the watermarked digital
4 recording.
2. The device of claim 1, wherein the device is a recording device.
- 1 3. The device of claim 1, wherein the verification system partitions the watermarked
2 digital recording into a plurality of sections.
- 1 4. The device of claim 3, wherein the verification system compares a watermark value
2 stored in at least one section with a salient value derived from the entire watermarked
3 digital recording.
- 1 5. The device of claim 4, wherein the salient value is a hash of data contained in each of
2 the plurality of sections.
6. The device of claim 1, wherein the disruption comprises a filler.
7. The device of claim 6, wherein the filler comprises silence.

1 8. The device of claim 6, wherein the filler is contiguously inserted before the
2 watermarked digital recording.

1 9. The device of claim 6, wherein the filler is contiguously inserted after the
2 watermarked digital recording.

10. The device of claim 1, wherein the disruption comprises an amplitude modulation.

1 11. The device of claim 10, wherein the amplitude modulation comprises an increasing
2 power level at a beginning of the watermarked digital recording.

1 12. The device of claim 10, wherein the amplitude modulation comprises a decaying
2 power level at an ending of the watermarked digital recording.

1 13. A system for merging digital recordings, comprising:

2 a system for receiving a first digital recording and a second digital recording; and

3 a system for merging the first digital recording and the second digital recording

4 into an output, wherein the output includes a disruption between the first digital recording

5 and the second digital recording.

1 14. The system of claim 13, wherein the first digital recording and the second digital

2 recording are encrypted such that concatenating the first digital recording and the second

3 digital recording will result in an invalid encryption.

1 15. The system of claim 14, wherein the system for merging further includes:

2 a system for decrypting the first and the second digital recording;

3 a system concatenating the first and the second digital recording into an decrypted

4 output;

5 a system for inserting the disruption into the decrypted output; and

6 a system for re-encrypting the decrypted output.

1 16. The system of claim 13, further comprising a verification system for verifying

2 watermarks in the first and second digital recordings.

1 17. The system of claim 16, wherein the verification system includes a system for

2 aborting the creation of the output if the watermarks are not verified.

18. The system of claim 13, wherein the disruption comprises a filler.

19. The system of claim 13, wherein the disruption comprises an amplitude modulation.

1 20. A method for merging a first and a second digital recording, comprising the steps of:
2 verifying the first and the second digital recordings;
3 merging the first and the second digital recordings; and
4 generating an output, wherein the output include a disruption between the first
5 and the second digital recordings.

1 21. The method of claim 20, wherein the verifying step includes comparing a watermark
2 value inserted into at least one section of the digital recording with a salient value of the
3 entire digital recording.

1 22. The method of claim 20, wherein the disruption includes a contiguously inserted
2 filler.

1 23. The method of claim 20, wherein the disruption includes an amplitude modulation of
2 at least one of the first and second digital recordings.

1 24. The method of claim 20, wherein the first and the second digital recordings are
2 encrypted, and wherein the merging step includes the step of decrypting the first and
3 second digital recordings, concatenating the first and second digital recordings with the
4 disruption, and encrypting the output.